

INFORMATION DISCLOSURE STATEMENT

O I P (Use several sheets if necessary)

APPLICANT
Eklund et al.FILING DATE
9/27/01GROUP
2818

JAN 18 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIALS & TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MMR	3,850,168	11/26/74	✓ Ferguson et al.	128	146.7	
	5,058,600	10/22/91	✓ Schechter et al.	128	716	
	5,092,343	3/3/92	Spitzer et al.	128	733	
	5,134,995	8/4/92	✓ Gruenke et al.	128	204.23	
	5,146,918	9/15/92	✓ Kallok et al.	128	419 G	
	5,251,626	10/12/93	✓ Nikolls et al.	607	14	
	5,309,921	5/10/94	✓ Kisner et al.	128	719	
	5,458,137	10/17/95	✓ Axe et al.	128	204.23	
	5,503,161	4/2/96	✓ Van Den Heuvel	128	773	
	5,584,291	12/17/96	✓ Vapola et al.	128	630	
MMR	5,953,713	9/14/99	✓ Behbehani et al.	706	16	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
MMR	WO 00/19895 ✓	4/13/00	PCT	A61B	5/08		

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

MMR	IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS-PART B: CYBERNETICS, vol. 27, no. 1, February 1997, Quen-Zong Wu et al.: "On-Line Signature Verification Using LPC Cepstrum and Neural Networks," abstract
MMR	IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, Volume 45, No. 11, November 1998, J. Bock et al., "Toward Prediction of Physiological State Signals in Sleep Apnea," abstract
MMR	Neural Network Based Multi Sensor Heart Sound Analysis, Barschdorff, et al., 1991 IEEE, pp. 303-306
MMR	Snore Detection Using a Neural Network, Masters Thesis by Francisco Javier Lopez, presented to the Faculty of the Graduate School of The University of Texas at Arlington
MMR	T. Kohonen, et al., "Phonetic Typewriter for Finnish and Japanese," Proc IEEE ICASSP, NY, NY 1988
MMR	Leung et al., "Some Phonetic Recognition Experiments Using Artificial Neural Nets," Proc IEEE ICASSP, NY, NY 1988

EXAMINER

DATE CONSIDERED

8/26/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	CASE NO. CON/BRE0004	SERIAL NO. 09/965,681			
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT Eklund et al.				
		FILING DATE 9/27/01	GROUP 2818			
U.S. PATENT DOCUMENTS						
EXAMINER INITIALS <i>O I P E JCL</i>	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[A large grid of 21 rows and 7 columns, all crossed out with a large X.]</i>						
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>[A large grid of 21 rows and 7 columns, all crossed out with a large X.]</i>						
OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>[Handwritten mark: a large 'MAP' with arrows pointing to it]</i>	P. Brauer, "Infrastructure in Kohonen Maps," Proc. IEEE ICASSP, Glasgow, Scotland, 1989 <i>✓</i>					
	P. Knagenhjelm, "A Recursive Design Method for Robust Vector Quantization," Proc. ICSPAT, Boston, MA 1992 <i>✓</i>					
EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>8/26/03</i>					

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. CON/BRE0004	Serial No. 09/965,681
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT		Applicant Eklund et al.	Confirmation No.: 2907
(Use several sheets if necessary)		FEB 20 2002 PATENT & TRADEMARK OFFICE COPY OF PAPERS ORIGINALLY FILED	Filing Date 9/27/01 Group 2818
	Examiner Not assigned		

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A1						
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						
	A11						
	A12						
	A13						

Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
<i>MAYL</i>	B1	WO 0100264 A1	1/4/01	PCT	A61M	16/00	<input type="checkbox"/>	<input type="checkbox"/>
	B2						<input type="checkbox"/>	<input type="checkbox"/>
	B3						<input type="checkbox"/>	<input type="checkbox"/>
	B4						<input type="checkbox"/>	<input type="checkbox"/>
	B5						<input type="checkbox"/>	<input type="checkbox"/>

OTHER ART

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
<i>NAN</i>	C1	WU, Quen-Zong et al.: "On-line Signature Verification Using LPCC Cepstrum and Neural Networks." IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS-PART B: CYBERNETICS, February 1997, Vol. 27, No. 1, abstract
<i>NAN</i>	C2	BOCK, Joel et al.: "toward Prediction of Physiological State Signals in Sleep Apnea." IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, November 1998, Vol. 45, No. 11, abstract
Examiner		Date Considered <i>8/26/03</i>

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)				Doc. No. CON/BRE0004	Serial No. 09/965,681		
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT				Applicant Eklund et al.	Confirmation No.: 2907		
(Use several sheets if necessary)				Filing Date 9/27/01	Group 2818		
U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A1						
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						
	A11						
	A12						
	A13						
Foreign Patent Documents							
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation
							YES
<i>AAAR</i>	B1	EP 1 005 829 A1	07.06.2000	EP <i>✓</i>	A61B	5/087	<input type="checkbox"/> <input type="checkbox"/>
	B2						<input type="checkbox"/> <input type="checkbox"/>
	B3						<input type="checkbox"/> <input type="checkbox"/>
	B4						<input type="checkbox"/> <input type="checkbox"/>
	B5						<input type="checkbox"/> <input type="checkbox"/>
OTHER ART							
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.					
	C1						
	C2						
	C3						
Examiner	<i>Phil Lohr</i>			Date Considered	<i>8/26/03</i>		